

U.S. ALLOY DBA WASHINGTON ALLOY CO -- ER4043 ALUMINUM WIRE -- 3439-01-127-6945

===== Product Identification =====

Product ID:ER4043 ALUMINUM WIRE

MSDS Date:01/01/1989

FSC:3439

NIIN:01-127-6945

MSDS Number: BRTGV

=== Responsible Party ===

Company Name:U.S. ALLOY DBA WASHINGTON ALLOY CO

Address:9809 160TH STREET EAST

Box:73909

City:PUYALLUP

State:WA

ZIP:98373

Country:US

Info Phone Num:206-848-2230

Emergency Phone Num:206-848-2230

CAGE:NO004

=== Contractor Identification ===

Company Name:COORDINATED WESTERN INC

Address:2968 TEAGARDEN ST

Box:City:SAN LEANDRO

State:CA

ZIP:94977

Country:US

Phone:510-895-8585

CAGE:0U0J2

Company Name:U S ALLOY CO DBA WASHINGTON ALLOY CO

Address:9809 160TH ST E

Box:73909

City:PUYALLUP

State:WA

ZIP:98373

Country:US

Phone:206-848-2230

CAGE:0AZS7

Company Name:U.S. ALLOY DBA WASHINGTON ALLOY CO

Address:9809 160TH STREET EAST

Box:73909

City:PUYALLUP

State:WA

ZIP:98

373  
Country:US  
Phone:206-848-2230  
CAGE:NO004

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Composition/Information on Ingredients  
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Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90-5  
RTECS #:BD0330000  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9293

Ingred Name:MAGNESIUM  
CAS:7439-95-4  
RTECS #:OM2100000  
Fraction by Wt: 2-6%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:BERYLLIUM (SARA III)  
CAS:7440-41-7  
RTECS #:DS1750000  
Fraction by Wt: .04-.07%  
O  
ther REC Limits:NONE RECOMMENDED  
OSHA PEL:2 UG/M3  
ACGIH TLV:0.002PPM; A2; 9293

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: 3-13%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: .05-.35%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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Hazards Identification  
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LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:INHALATION OF WELDING FUMES AND GASES CAN BE DANGEROUS TO HEALTH. MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA OR DRYNESS OR IRRITATION OF NOSE, THROAT OR EYES.

CHROMIUM COMPOUNDS IN FUMES MAY CAUSE SEVERE RESPIRATORY IRRITATION. BERYLIUM IN FUME OR DUST FORM IS HIGHLY TOXIC. ARC RAYS

CAN INJURE EYES/BURN SKIN.

Explanation of Carcinogenicity:CONTAINS BERYLIUM AND CHROMIUM WHICH ARE LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:DIZZINESS, NAUSEA, DRYNESS/IRRITATION OF NOSE, THROAT OR EYES, INFLAMMATION OF LUNG TISSUES, IRON DEPOSITS IN LUNGS, ULCERATION/PERFORATION OF NASAL SEPTUM, LIVER/KIDNEY DAMAGE, LUNG CANCER, NASAL CANCER, BERYLIOSIS, EYE INJURY, SKIN BURNS.

Medical Condition Aggravated by Exposure:

PRE-EXISTING RESPIRATORY CONDITIONS

MAY BE AGGRAVATED BY EXPOSURE TO WELDING FUMES.

===== First Aid Measures =====

First Aid:CALL FOR MEDICAL ASSISTANCE. USE FIRST AID PROCEDURES RECOMMENDED BY THE AMERICAN RED CROSS. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, USE CPR. CONSULT A PHYSICIAN IF IRRITATION OF THE EYES AND SKIN OR FLASH BURNS DEVELOP AFTER EXPOSURE. NOTE: HAZARDS FROM PRODUCT OCCUR DURING USE OF PRODUCT

PRODUCT IS NONHAZARDOUS AS SHIPPED/STORED.

===== Fire Fighting Measures =====

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING FIRE.

Unusual Fire/Explosion Hazard:FIRE MAY RELEASE TOXIC FUMES AND GASES.

===== Accidental Releases =====

e Measures =====

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:PRODUCT IS NONHAZARDOUS AS SHIPPED/STORED. HAZARD OCCURS WHEN PRODUCT IS USED FOR WELDING, ETC.

Other Precautions:SEE AMERICAN STANDARD Z49.1 SAFEEEETY IN WELDING AND CUTTING PUBLISHED BY THE AMERICAN WELDING SOCIETY AND OSHA PUBLICATION 220 6 (29 CFR 1910).

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN A CONFINED SPACE OR GENERAL WORK AREA WHERE LOCAL EXHAUST AND/OR VENTILATION DOES NOT KEEP EXPOSURE BELOW THE TLV.

Ventilation:USE PLENTY OF VENTILATION AND/OR LOCAL EXHAUST AT THE ARC TO KEEP THE FUMES AND GASES BELOW TLV IN THE BREATHING ZONE.

Protective Gloves:WELDER'S GLOVES

Eye Protection:PROTE  
CTIVE FACE SHIELD

Other Protective Equipment:ARM PROTECTORS, APRON, HATS, SHOULDER PROTECTION AS WELL AS DARK SUBSTANTIAL CLOTHING.

Work Hygienic Practices:WELDERS SHOULD BE TRAINED NOT TO ALLOW ELECTRICALLY LIVE PARTS TO CONTACT THE SKIN OR WET CLOTHING AND GLOVES.

Supplemental Safety and Health

WELDERS SHOULD INSULATE THEMSELVES FROM WORK AND GROUND. WELDING FUMES AND GASES CANNOT BE CLASSIFIED SIMPLY. THE COMPOSITION AND QUANTITY OF THESE FUMES AND GASES ARE DEPENDENT UPON THE METAL BEING W  
ELDED, THE PROCEDURES FOLLOWED AND THE ELECTRODES USED.

===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NIL

Solubility in Water:NEGLIGIBLE

Appearance and Odor:ROD, 1/16" DIAMETER, 36" LONG

Percent Volatiles by Volume:NIL

===== Stability and Reactivity Data =====

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Stability Indicator/Materials to Avoid: YES  
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: COMPLEX OXIDES OF ALUMINUM, IRON,  
MANGANESE, SILICON, TITANIUM, CHROMIUM, MAGNESIUM, ZINC, BERYLIUM,  
COPPER, CARBON

===== Disposal Considerations =====

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL  
CONTAINER OR  
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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